

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number
WO 2004/000455 A1

- (51) International Patent Classification⁷: **B01J 23/22**, C07C 51/31, 51/265 (74) Agent: **RIEGLER, Norbert Hermann**; Lonza AG, Münchensteinerstrasse 38, CH-4052 Basel (CH).
- (21) International Application Number: PCT/EP2003/006494 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 19 June 2003 (19.06.2003)
- (25) Filing Language: English (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (26) Publication Language: English
- (30) Priority Data: MI2002A001358 19 June 2002 (19.06.2002) IT
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- Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv)) for US only
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2004/000455 A1

(54) Title: TITANIUM-VANADIUM-TIN COMPRISING CATALYST AND PROCESS FOR THE PREPARATION OF PHTHALIC ANHYDRIDE

(57) Abstract: Disclosed are catalytic compositions comprising oxides of titanium, vanadium and tin which are suitable for the production of phthalic anhydride by oxidizing o-xylene and/or naphthalene in the gas phase. The catalysts exhibit excellent activity and selectivity. The catalyst comprise 2 to 15% by weight (calculated as V₂O₅) of vanadium, from 1 to 15% by weight (calculated as SnO₂) of tin and further comprise from 70 to 97% by weight (calculated as TiO₂) of titanium. In a preferred embodiment the catalyst of the invention comprise up to 5% by weight (calculated as M₂O) of at least one alkali metal, preferably lithium, potassium or rubidium, and more preferably cesium. In an even more preferred embodiment, cesium is present in an amount of from 0.01 to 2% by weight (calculated as Cs₂O).